

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No: To Be Assigned  
Applicant: Shigeru Yamane et al.  
Filed: Herewith  
Title: CIRCUIT FORMING BOARD PRODUCING METHOD, CIRCUIT FORMING  
BOARD, AND MATERIAL FOR CIRCUIT FORMING BOARD  
TC/A.U.:  
Examiner:

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (RP) submitted herewith.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

Under 37 C.F.R. § 1.98(d), copies of the patents and publications listed on the enclosed PTO Form 1449 are not required to be provided, because they were cited by or submitted to the Patent and Trademark Office in prior application Serial No. 10/149,667, filed October 9, 2002, which is relied upon for an earlier filing date under 35 U.S.C. § 120.

This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Respectfully submitted,

RatnerPrestia

Lawrence E. Ashery, Reg. No. 34,515  
Attorney for Applicants

LEA/kc

Enclosures: PTO Form 1449

Dated: September 11, 2003

P.O. Box 980  
Valley Forge, PA 19482-0980  
(610) 407-0700

The Commissioner for Patents is hereby  
authorized to charge any additional fees/credit  
any overpayment of fees associated with this  
communication to Deposit Account No. **18-0350**.

**EXPRESS MAIL** Mailing Label Number: EV 351885975 US  
Date of Deposit: September 11, 2003

I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Kathleen Libby

K\_I:\MAT\8260US1\IDS.DOC

Substitute for Form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>	<b>Complete if Known</b>	
	Application Number	To Be Assigned
	Filing Date	Herewith
	First Named Inventor	Shigeru Yamane
	Art Unit	
	Examiner Name	
<b>SHEET 1 of 2</b>		Attorney Docket No. MAT-8260US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Issue Date/ Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-6,096,411	08/01/2000	Nakatani et al.	
		US-5,888,627 (corresponds to JP 09-321399)	03/30/1999	Nakatani	
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		EP 0 651 602 A1	05/03/1995	Matsushita Elec Ind		<input type="checkbox"/>
		EP 0 645 951 A1	03/29/1995	Matsushita Elec Ind		<input type="checkbox"/>
		JP 2002-094200	03/29/2002	Matsushita Elec Ind		<input type="checkbox"/>
		JP 07-106760 (corresponds to JP 2768236)	04/21/1995	Matsushita Elec Ind		<input type="checkbox"/>
		JP 2768236 (corresponds to JP 07-106760)	04/10/1998			<input type="checkbox"/>
		JP 06-268345 A	09/22/1994	Matsushita Elec Ind		<input type="checkbox"/>
		JP 09-321399 (corresponds to USP 5,888,627)	12/12/1997	Matsushita Elec Ind		
		JP 61-069409 A	04/10/1986	Matsushita Elec Works		
		JP 07-1444390 A	06/06/1995	Matsushita Elec Works		
		JP 2000-234107 A	08/29/2000	Dowa Mining Co		
		JP 06-031827 A	02/08/1994	Hitachi Chem Co		
		JP 01-272416 A	10/31/1989	Hitachi Chem Co		
		JP 09-174546 A	07/08/1997	Matsushita Elec Works		
		JP 11-172147 A	06/29/1999	Hitachi Chem Co		
		JP 10-037054	02/10/1998	Matsushita Elec Ind		
		JP 2000-013018	01/14/2000	Matsushita Elec Ind		
		JP 09-321430	12/12/1997	Matsushita Elec Ind		
		JP 49-107079	11/10/1974			

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>	<b>Complete if Known</b>	
	Application Number	To Be Assigned
	Filing Date	Herewith
	First Named Inventor	Shigeru Yamana
	Art Unit	
	Examiner Name	
<b>SHEET 2 of 2</b>	Attorney Docket No.	MAT-8260US1

<b>NON-PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		Japanese Search Report for PCT/JP01/09033 dated January 8, 2002.	<input type="checkbox"/>
		English translation of Form PCT/ISA/210 for PCT/JP01/09033 dated January 8, 2002	<input type="checkbox"/>
		European Search Report for EP 01 97 4853 dated January 14, 2003	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
**SEND TO : Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*